

a data processing unit for processing an output signal from said image sensor element into digital image data;

an image memory for storing the digital image data and a lens characteristic relating to the image forming lens; and

a lens characteristic correction unit for performing, by using the stored lens characteristic of said image forming lens and a position of a frame image photographed, a process of correcting a deterioration of an image quality derived from said image forming lens upon the entire digital image data,

wherein said image quality deterioration corrected by said lens characteristic correction unit is at least one of a chromatic aberration of magnification, defocusing and a decrease in marginal lumination.

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2. (Amended) The digital image shooting device according to claim 1 wherein said image quality deterioration further includes a distortion aberration.

Please add the following new claims 8, 9 and 10:

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--8. (New) The digital image shooting device according to claim 1, wherein said image forming lens comprises a plurality of lens and said image memory stores a plurality of lens characteristics pertaining thereto.

9. (New) A digital image shooting device, comprising:
an image forming zoom lens;
an image sensor element;

a data processing unit for processing an output signal from said image sensor element into digital image data;

an image memory for storing the digital image data and a lens characteristic relating to a plurality of focal lengths of the zoom lens; and

a lens characteristic correction unit for performing, by using the stored lens characteristic of said image forming lens and a position of a frame image photographed, a process of correcting a deterioration of an image quality derived from said image forming lens upon the entire digital image data,

wherein the lens characteristic is converted at the plurality of focal lengths to the focal length when the image is photographed.

10. (New) A digital image shooting device comprising:

an image forming lens;

an image sensor element optically coupled to said lens;

a data processing unit operatively connected to said image sensor and receiving an output signal from said image sensor element and converting the output signal into digital image data;

an image memory operatively connected to said data processing unit, the digital image data and a lens characteristic relating to the image forming lens being stored in said image memory; and

a lens characteristic correction unit operatively connected to said image memory, said lens characteristic correction unit correcting a deterioration of an image quality derived from said image forming lens upon the digital image data by using the stored lens characteristic of said image forming lens and a position of a frame image photographed,

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wherein the image quality deterioration corrected by the
lens characteristic correction unit is a distortion aberration and
a chromatic aberration of magnification.--
